United States Department of Agriculture
National Agricultural Statistics Service

2025 California Almond Objective Measurement Report

Pacific Regional Office · 650 Capitol Mall, Suite 6-100 · Sacramento, CA 95814 · (916) 738-6600 · www.nass.usda.gov/ca

Released: July 10, 2025 - 12:00 p.m. PDT

2025 CALIFORNIA ALMOND FORECAST UP 10 PERCENT

The 2025 California almond production forecast is 3.00 billion meat pounds, up 7% from May's subjective forecast and 10% higher than last year's crop of 2.73 billion meat pounds. The forecast is based on 1.39 million bearing acres. Production for the Nonpareil variety is forecast at 1.20 billion meat pounds, 9% above last year's deliveries of 1.11 billion meat pounds. The Nonpareil variety represents 40% of California's forecasted almond production.

The 2025 almond crop experienced variable weather during bloom, which began in early February and peaked in the middle of the month. Storms brought rain, wind and hail, which hindered bee hours and blossom growth. Conditions improved in early March with warm temperatures accelerating the crop's progress through the end of bloom. Mild temperatures and timely rain in spring supported nut growth and continued through early summer, lessening heat stress in orchards. Lower than normal pest and disease pressure have been reported. Harvest is expected to begin on time.

The average nut set per tree is 4,364, an increase of 7% compared to 2024. The Nonpareil average nut set of 4,526 is 9% higher than last year. The average kernel weight for all varieties sampled was 1.60 grams, down 0.6% from the 2024 average weight. The Nonpareil average kernel weight was 1.60 grams, down 2% from the 2024 average weight. A total of 98.9% of all nuts sized were sound.

SAMPLING PROCEDURES

To determine tree set, nuts are counted along two paths within each randomly selected tree. Work begins at the trunk and progresses to the end of the terminal branch. Using a random number table, one branch is selected at each forking to continue the path. A branch's probability of selection is directly proportional to its cross-sectional area. This methodology is used because of its statistical efficiency. The method also makes it possible to end up at any one of the tree's numerous terminal branches. This process is done twice.

Since each path has a probability of selection associated with it, this probability is used to expand nut counts and arrive at an estimated set for the entire tree.

Along intermediate stages (i.e., the bearing surface between forkings), every fifth nut is picked. All nuts on the terminal branch are picked. These nuts are used to determine size and weight measurements.

FIELD SAMPLING ACTIVITES

The survey began May 24 and sampling was completed by June 28. There were 1,892 trees sampled for the 2025 survey in 946 orchards. Data was collected from two random paths within each tree. Additional orchards were not sampled for one of the following reasons:

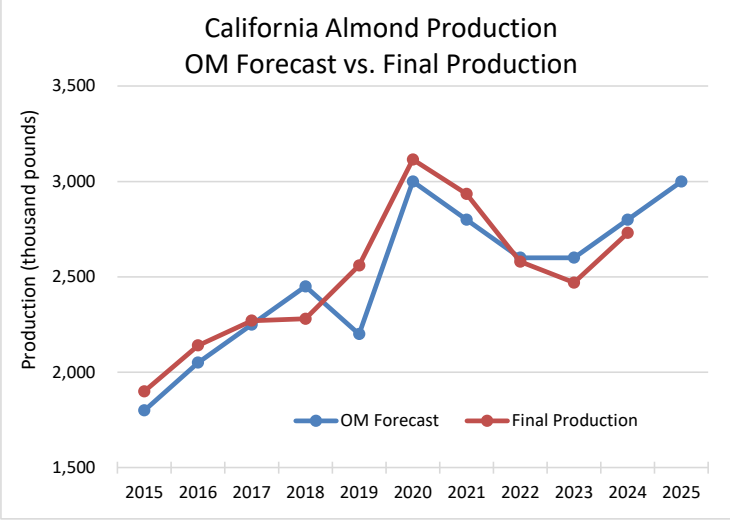
1) Orchard had been sprayed.
2) Orchard had been recently irrigated and was wet.
3) Orchard had been pulled.
4) Grower would not grant permission or could not be contacted.

The Objective Measurement Survey is funded by the Almond Board of California.

TABLE 1: OBJECTIVE MEASUREMENT SURVEY COUNTS; COMPARISON OF NUT ESTIMATES AND ORCHARDS SAMPLED BY COUNTY AND VARIETY, 2024-2025

County and variety	2024		2025	
	Nuts per tree	Orchards sampled	Nuts per tree	Orchards sampled
STATE LEVEL	4,072	952	4,364	946
BY COUNTY				
Colusa	4,231	43	4,614	39
Fresno	3,317	187	3,869	186
Kern	3,718	176	4,054	177
Madera	4,996	116	4,260	111
Merced	5,429	138	5,237	132
San Joaquin	3,860	39	5,202	42
Stanislaus	3,258	149	3,845	158
Tulare	4,493	41	5,227	36
Other [1]	4,295	63	5,118	65
BY VARIETY				
Butte	3,316	56	4,820	49
Carmel [2]	5,356	33	--	--
Independence	3,448	111	4,129	119
Monterey	4,257	199	4,156	196
Nonpareil	4,137	361	4,526	376
Padre	3,953	46	4,470	43
Other [3]	4,170	146	4,244	163

[1] Other includes: Butte, Glenn, Kings, Solano, Tehama, and Yolo counties.
[2] Carmel variety included in 'Other' for 2025.
[3] Other includes: Aldrich, Avalon, Carmel, Bennett-Hickman, Fritz, Mission, Price Cluster, Shasta, Sonora, Supareil, Winters, and Wood Colony.



DATA RELIABILITY

The 80% confidence interval is from 2,610,000 to 3,390,000 meat pounds.

TABLE 2: WEIGHT, SIZE AND GRADE OF AVERAGE ALMOND SAMPLE, 2024-2025

County and variety	Kernel weight (grams)	Kernel size (millimeters)			Grade (percent of nuts) [1]						
					Edible nuts		Insect damage	Shrivel	Natural gum	Blank	Other
		Length	Width	Thickness	Singles	Doubles					
STATE LEVEL											
2024	1.61	22.81	13.18	10.27	96.0	2.8	[2]	1.0	0.1	[2]	[2]
2025	1.60	23.40	13.16	9.75	96.1	2.8	[2]	0.9	0.1	[2]	[2]
BY COUNTY											
Colusa											
2024	1.48	22.14	13.13	10.04	93.3	5.7	0.1	0.7	[2]	[2]	0.2
2025	1.39	22.09	12.59	9.50	96.1	3.2	[2]	0.7	[2]	[2]	[2]
Fresno											
2024	1.53	22.34	13.05	10.20	96.7	2.1	[2]	1.0	[2]	[2]	0.1
2025	1.62	23.35	13.19	9.38	97.2	1.6	[2]	1.1	0.1	[2]	0.1
Kern											
2024	1.55	22.20	12.50	10.16	97.0	1.8	[2]	1.0	0.1	[2]	0.1
2025	1.53	23.15	12.82	9.96	95.1	3.6	[2]	1.0	0.2	[2]	[2]
Madera											
2024	1.61	23.00	13.42	10.30	96.6	3.4	[2]	[2]	[2]	[2]	[2]
2025	1.65	23.89	13.55	9.97	94.4	5.6	[2]	[2]	[2]	[2]	[2]
Merced											
2024	1.64	22.48	13.19	10.20	96.9	2.8	[2]	0.2	[2]	[2]	[2]
2025	1.57	22.91	12.95	9.71	97.4	2.3	[2]	0.3	[2]	[2]	[2]
San Joaquin											
2024	1.76	23.90	13.50	10.57	93.5	2.3	[2]	3.3	0.9	[2]	[2]
2025	1.76	24.65	13.88	10.09	97.5	1.3	[2]	0.9	0.3	[2]	[2]
Stanislaus											
2024	1.73	23.40	13.32	10.60	94.5	2.7	[2]	2.5	0.3	[2]	[2]
2025	1.62	23.25	13.15	9.95	95.5	2.7	[2]	1.5	0.3	[2]	[2]
Tulare											
2024	1.63	23.76	13.60	10.50	95.8	2.7	[2]	1.4	[2]	[2]	0.1
2025	1.57	24.23	13.38	9.59	95.3	2.1	[2]	1.7	[2]	[2]	0.9
Other [3]											
2024	1.70	23.96	13.96	10.13	94.7	4.4	[2]	0.9	[2]	0.1	[2]
2025	1.62	24.06	13.47	9.56	96.1	2.6	[2]	1.2	[2]	[2]	[2]
BY VARIETY											
Butte											
2024	1.38	19.93	12.52	10.34	97.3	1.7	[2]	0.9	0.1	0.1	[2]
2025	1.18	19.13	11.85	9.83	96.2	2.9	[2]	0.9	[2]	[2]	[2]
Carmel [4]											
2024	1.54	22.53	12.51	10.25	96.4	2.9	[2]	0.7	0.1	[2]	[2]
2025	--	--	--	--	--	--	--	--	--	--	--
Independence											
2024	1.88	24.38	14.45	10.65	96.0	2.6	[2]	1.3	0.1	[2]	[2]
2025	1.85	25.13	14.29	9.93	97.9	1.1	[2]	0.8	0.1	[2]	0.1
Monterey											
2024	1.68	23.96	13.00	10.37	93.5	5.7	[2]	0.6	0.1	[2]	[2]
2025	1.69	25.04	13.02	9.86	93.6	5.4	[2]	0.8	0.1	[2]	[2]
Nonpareil											
2024	1.64	22.91	13.45	10.18	97.1	1.7	[2]	1.2	0.1	[2]	[2]
2025	1.60	23.32	13.36	9.63	96.9	2.2	[2]	0.8	[2]	[2]	0.1
Padre											
2024	1.33	19.64	12.53	10.29	98.4	0.8	[2]	0.8	0.1	[2]	[2]
2025	1.25	19.52	12.18	9.77	96.5	2.0	[2]	1.4	[2]	0.2	[2]
Other [5]											
2024	1.49	21.92	12.62	10.11	96.0	2.7	[2]	0.9	0.2	[2]	0.2
2025	1.52	22.72	12.72	9.76	95.7	2.8	[2]	1.1	0.4	[2]	[2]

[1] Percentages may not add to 100 due to rounding.

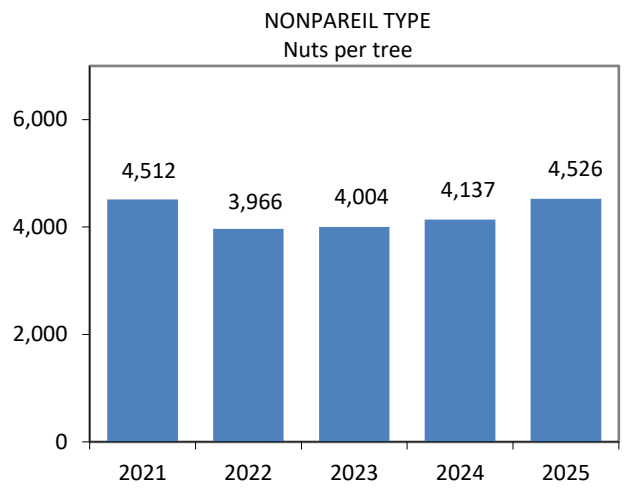
[2] Not shown if less than 0.05 percent.

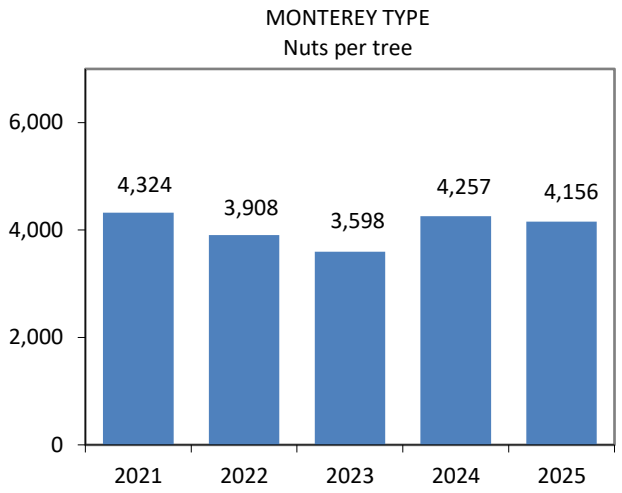
[3] Other includes: Butte, Glenn, Kings, Solano, Sutter, Tehama, and Yolo counties.

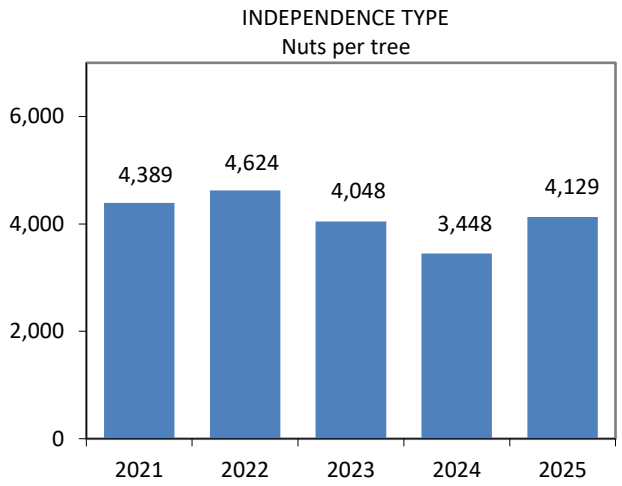
[4] Carmel variety included in 'Other' for 2025.

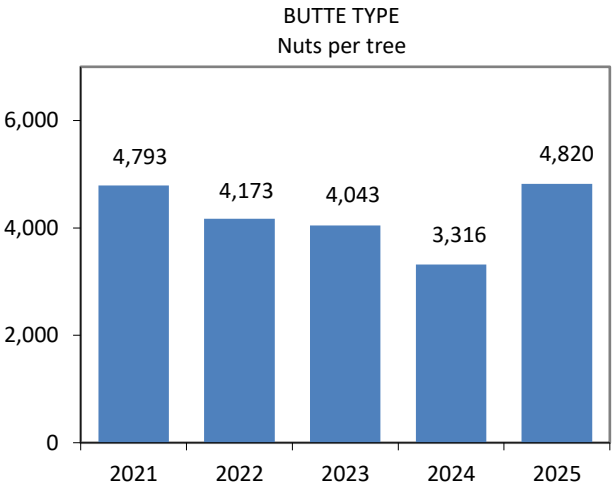
[5] Other includes: Aldrich, Avalon, Bennett-Hickman, Carmel, Fritz, Mission, Price Cluster, Shasta, Sonora, Supareil, Winters, and Wood Colony.

ALMONDS NUT SET BY VARIETY









ALMONDS
NUTS PER TREE, BY COUNTY AND STATE

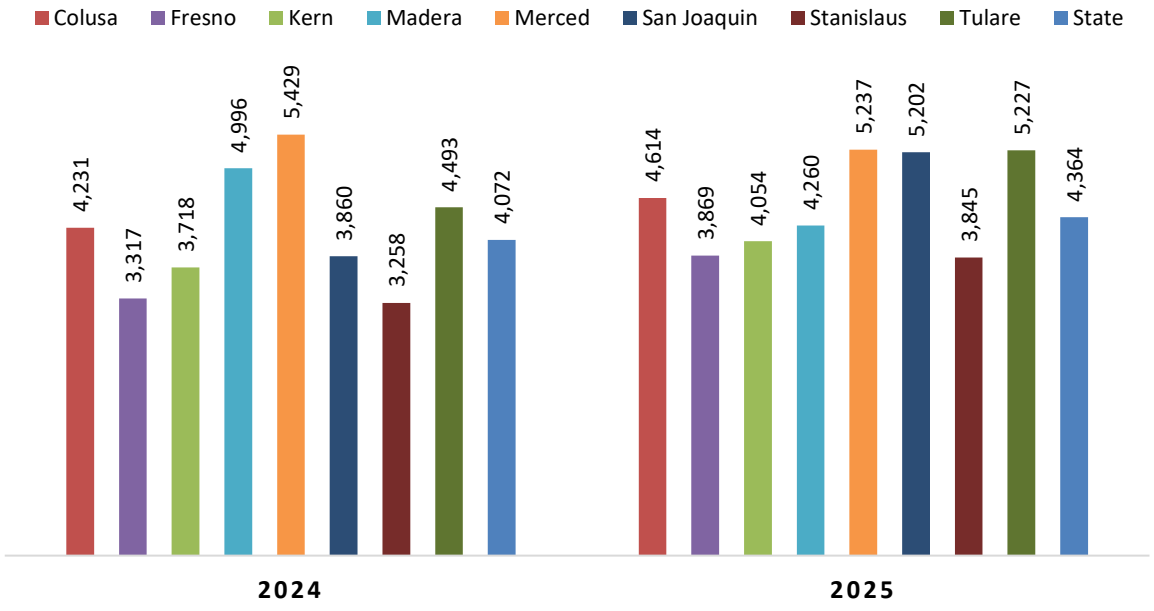


TABLE 3: CALIFORNIA ALMOND ACREAGE, PRODUCTION AND TREES PER ACRE, 1995-2025

Year	Bearing acres [1]	Trees per acre	Total meat production			Price per lb.	Value of production
			Metric tons [2]	Million lbs.	Lbs. per acre	dollars	1,000 dollars
1995	418,000	93.7	168,000	370	890	2.48	880,896
1996	428,000	94.4	231,000	510	1,190	2.08	1,018,368
1997	442,000	95.5	344,000	759	1,720	1.56	1,160,640
1998	460,000	96.3	236,000	520	1,130	1.41	703,590
1999	485,000	97.3	378,000	833	1,720	0.86	687,742
2000	510,000	99.0	319,000	703	1,380	0.97	666,487
2001	530,000	101.0	376,000	830	1,570	0.91	740,012
2002	545,000	101.0	494,000	1,090	2,000	1.11	1,200,687
2003	550,000	103.0	472,000	1,040	1,890	1.57	1,600,144
2004	570,000	103.0	456,000	1,005	1,760	2.21	2,189,005
2005	590,000	104.0	415,000	915	1,550	2.81	2,525,909
2006	610,000	105.0	508,000	1,120	1,840	2.06	2,258,790
2007	640,000	105.0	630,000	1,390	2,170	1.75	2,401,875
2008	710,000	107.0	739,000	1,630	2,300	1.45	2,343,200
2009	750,000	108.0	640,000	1,410	1,880	1.65	2,293,500
2010	770,000	108.0	744,000	1,640	2,130	1.79	2,903,380
2011	800,000	111.0	921,000	2,030	2,540	1.99	4,007,860
2012	820,000	112.0	857,000	1,890	2,300	2.58	4,816,860
2013	880,000	112.0	912,000	2,010	2,280	3.21	6,384,690
2014	930,000	114.0	848,000	1,870	2,010	4.00	7,388,000
2015	950,000	114.0	862,000	1,900	2,000	3.13	5,868,750
2016	970,000	116.0	971,000	2,140	2,210	2.39	5,052,460
2017	1,030,000	117.0	1,030,000	2,270	2,200	2.53	5,603,950
2018	1,090,000	119.0	1,034,000	2,280	2,090	2.50	5,602,500
2019	1,180,000	122.0	1,161,000	2,560	2,170	2.45	6,169,100
2020	1,250,000	122.0	1,413,000	3,115	2,490	1.71	5,251,410
2021	1,310,000	122.0	1,331,000	2,935	2,240	1.86	5,351,220
2022	1,350,000	122.5	1,170,000	2,580	1,910	1.40	3,536,400
2023	1,380,000	124.7	1,114,000	2,455	1,780	1.72	4,045,440
2024	1,380,000	125.4	1,238,000	2,730	1,980	2.14	5,662,440
2025 [3] [4]	1,390,000	125.4	1,361,000	3,000	2,160	–	–

[1] Bearing acreage is defined as plantings four years and older.
[2] Rounded to nearest thousand, metric ton = 2,204.62 pounds.
[3] Price and value will be available in the annual Noncitrus Fruits & Nuts publication, released in May 2026.
[4] Preliminary estimate of bearing acres. Land IQ almond acreage, age, and removals mapping data were consulted.

TABLE 4: 2025 ALMOND OM SAMPLE DISTRIBUTION BY COUNTY AND VARIETY

County	Butte	Independence	Monterey	Nonpareil	Padre	Other [1]	Total
Butte	0	1	1	11	0	0	13
Colusa	3	0	5	23	1	7	39
Fresno	8	31	43	64	11	29	186
Glenn	0	0	0	22	0	0	22
Kern	15	9	50	66	9	28	177
Kings	0	3	5	4	0	0	12
Madera	4	9	32	42	5	19	111
Merced	10	18	26	41	11	26	132
San Joaquin	1	11	0	24	0	6	42
Solano	0	2	0	1	0	0	3
Sutter	8	27	20	50	6	47	158
Stanislaus	0	1	0	0	0	0	1
Tehama	0	0	0	2	0	0	2
Tulare	0	6	12	18	0	0	36
Yolo	0	1	2	8	0	1	12
Total	49	119	196	376	43	163	946

[1] Other includes Aldrich, Avalon, Bennett-Hickman, Carmel, Fritz, Mission, Price Cluster, Shasta, Sonora, Supareil, Winters, and Wood Colony.